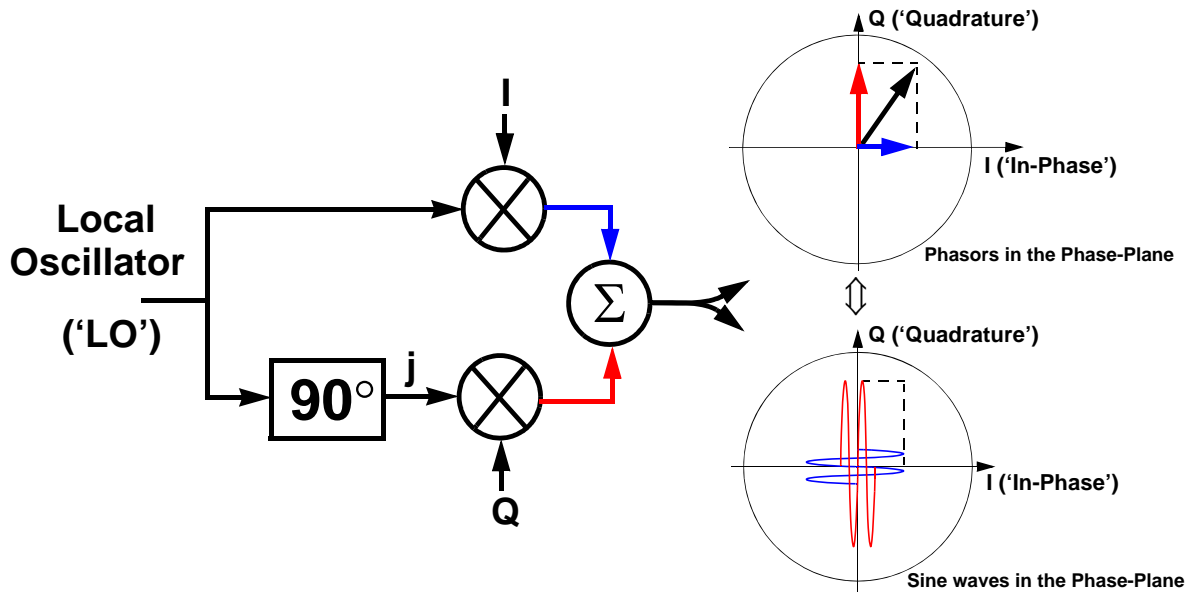


# Complex Modulation

via "IQ Modulation"



**I & Q are the rectangular components of the modulation**



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A common method to create complex-modulated RF uses independent orthogonal baseband signals modulating two identical mixers driven by quadrature LOs.

If the mixers are identical, their dynamics match, and modulation vectors can be placed accurately in the phase plane, even at high modulation rates.